

SURVEYED BY _____
SUPERVISED BY _____
DESIGNED BY _____

DESIGN FEATURES RELATING TO CONSTRUCTION
OR TO REGULATION AND CONTROL OF TRAFFIC
MAY BE SUBJECT TO CHANGE AS DEEMED
NECESSARY BY THE DEPARTMENT

REVISED	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
NEW 7/17/08	VA.		7		20(2)

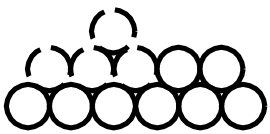
IN PROGRESS 10/15/08
NOT FOR CONSTRUCTION



Typical
4" - 4 Way

TYPICAL CROSS SECTIONS (N.T.S.)

VERIZON COMMUNICATION CONDUIT BUNDLE



Typical
1.5" - 8 Way and
1.5" - 4 Way

TYPICAL CROSS SECTIONS (N.T.S.)

WOODLAWN COMMUNICATION CONDUIT BUNDLE

CONDUIT BETTERMENT



Typical
4" - 1 Way

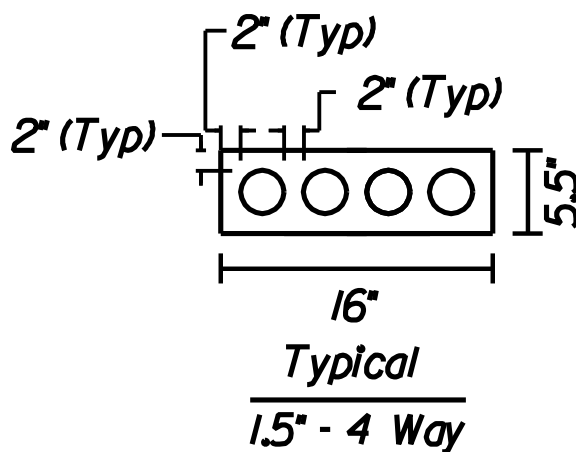
TYPICAL CROSS SECTIONS (N.T.S.)

RGC/ YIPES COMMUNICATION CONDUIT BUNDLE



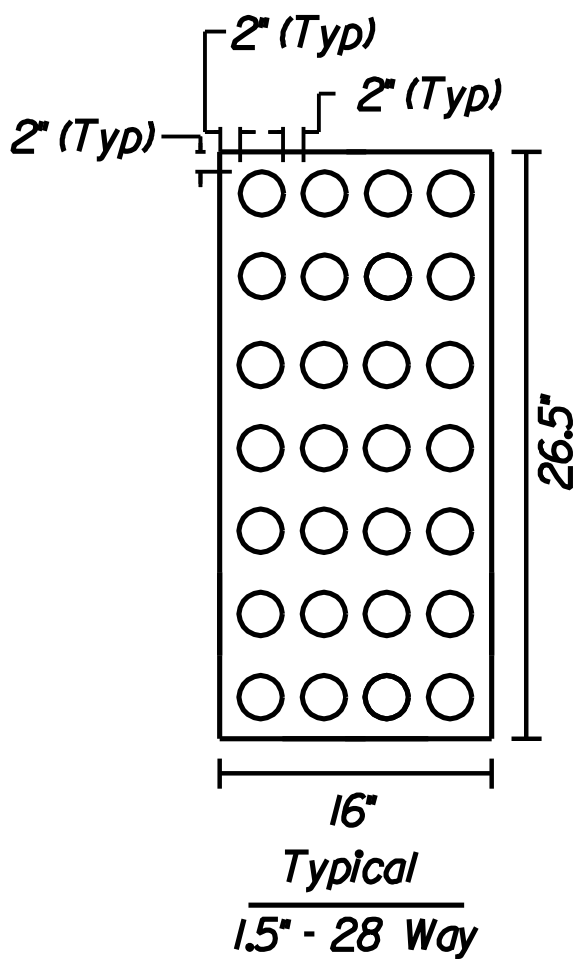
TYPICAL CROSS SECTIONS (N.T.S.)

MCI/VERIZON COMMUNICATION CONDUIT BUNDLE



TYPICAL CROSS SECTIONS (N.T.S.)

XO CONCRETE ENCASED PVC CONDUIT
RAMP C - STA.20+47 TO STA.21+15



TYPICAL CROSS SECTIONS (N.T.S.)

LEVEL 3 CONCRETE ENCASED PVC CONDUIT
RAMP C - STA.20+47 TO STA.21+15

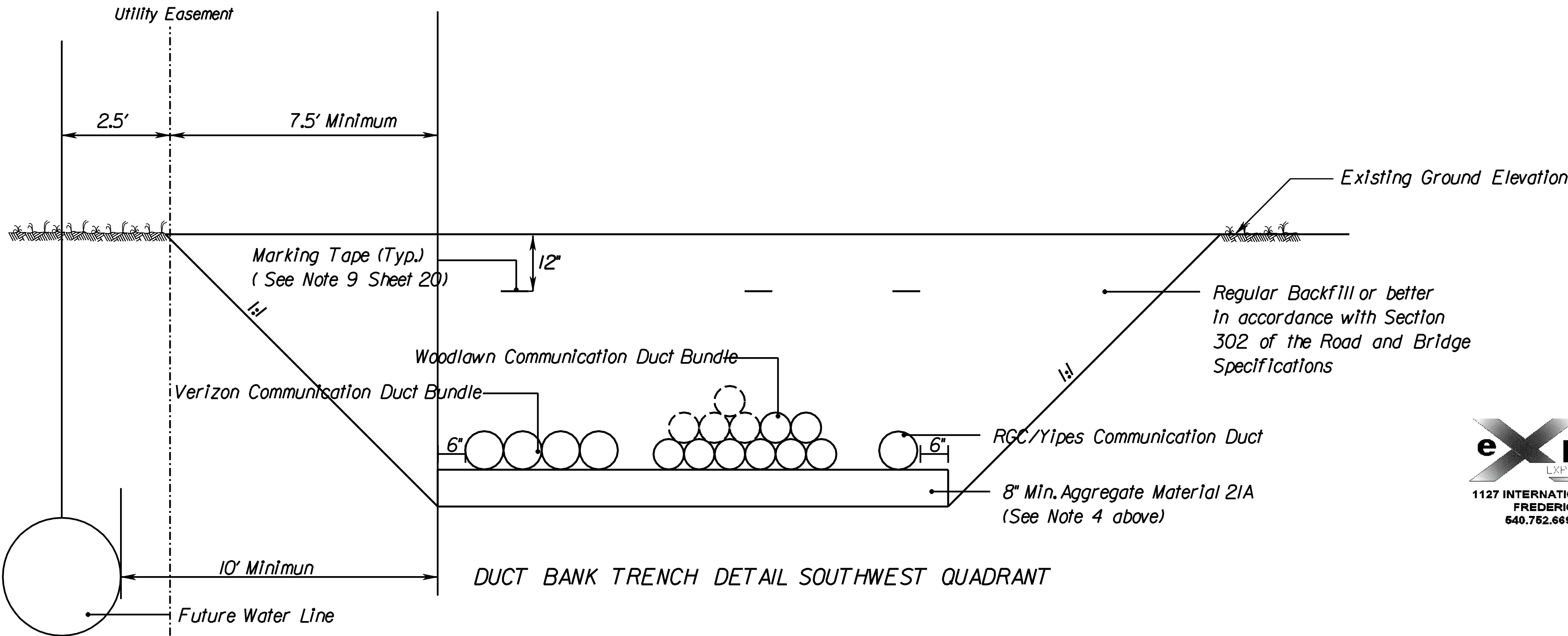
NOTES:

1. TYPICAL 4 INCH PVC SCHEDULE 40 CONCRETE ENCASED DUCT BANK
NUMBER OF CONDUITS WILL VARY DEPENDING ON DUCT BANK REQUIREMENTS.

2. AFTER INSTALLATION, ALL DUCT MUST BE THOROUGHLY CLEANED
TO ENSURE THAT
REMOVED BEFORE CABLE INSTALLED. ALL CONDUITS ARE THEN TO CONTAIN
"POLYOLEFIN" 1000 POUND STRESS PULL LINES, TO ACCOMMODATE THE PULLING CABLE.

3. ALL CONCRETE ENCASEMENT TO BE CLASS A3.

4. SUBSTITUTE NO. 57 STONE FOR AGGREGATE MATERIAL 21A IF STANDING OR RUNNING
WATER IS PRESENT WHEN UTILITY TRENCH IS EXCAVATED AT NO ADDITIONAL COST TO
THE DEPARTMENT. THE DEPTH OF EXCAVATION MAY NEED TO BE INCREASED WHERE
SHOWN ON THE PLANS IN ORDER TO REMOVE UNSUITABLE MATERIAL. UNSUITABLE
MATERIAL SHALL BE REMOVED AND DISPOSED OF OFFSITE AND REPLACED WITH
AGGREGATE NUMBER 57 STONE, THE COST OF WHICH IS INCIDENTAL TO COMMUNICATION
DUCT BANK.



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UTILITY RELOCATION PLAN
COMMUNICATION DUCT BANK DETAILS

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
			20(2)